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<130> 000181 BT

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<170> PatentIn Ver. 2.1

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<213> Corynebacterium glutamicum

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<222> (232)..(1161)

<223> lysR2 gene

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cctcgacctt gctatctatt gcttggctca tggagttcat catgcgcaa cagcaaatat 180

tagtaaaatg ttagaaatag ctgtttttga ttcactttgt gcatgtaggc t gtg acc 237
Met Thr

35

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atg ggc aac gac ggc gga gac ctg cga atc gac gac cta cgc agc ttc 285
Met Gly Asn Asp Gly Gly Asp Leu Arg Ile Asp Asp Leu Arg Ser Phe
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40

att tca gtc gct caa tca ggc cac ctc acc gaa act gcc gaa aga tta 333
Ile Ser Val Ala Gln Ser Gly His Leu Thr Glu Thr Ala Glu Arg Leu
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45

ggc atc ccg cag ccc aca ctt tcc aga cga atc agc cga gtg gaa aaa 381
Gly Ile Pro Gln Pro Thr Leu Ser Arg Arg Ile Ser Arg Val Glu Lys
35 40 45 50

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cac gca ggc acc cca ctt ttc gac cgc gcc ggc cgc aaa ctc gtc ctc 429
His Ala Gly Thr Pro Leu Phe Asp Arg Ala Gly Arg Lys Leu Val Leu
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aac caa cga ggc cac gcc ttc ctc aac cac gcc agc gcc atc gtc gca 477
Asn Gln Arg Gly His Ala Phe Leu Asn His Ala Ser Ala Ile Val Ala
70 75 80gaa ttc aac tcc gcc gca act gaa atc aaa cgc ctc atg gac cca gaa 525
Glu Phe Asn Ser Ala Ala Thr Glu Ile Lys Arg Leu Met Asp Pro Glu
85 90 95

09626909.072404

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5
 gtc ccc gaa ctt atc cga aca ttc cgc gcc gaa cac ccc aac gta gaa 621
 Val Pro Glu Leu Ile Arg Thr Phe Arg Ala Glu His Pro Asn Val Glu
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10
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 135 140 145

15
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 Ala Asp Glu Thr Asp Leu Ala Leu Val Gly Pro Lys Pro Ala Glu Val
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 215 220 225

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 230 235 240

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 260 265 270

55
 gct tat agg gaa cta ggt ttg gtg tgg cga ctc aac gcg ggg ccg gca 1101
 Ala Tyr Arg Glu Leu Gly Leu Val Trp Arg Leu Asn Ala Gly Pro Ala
 275 280 285 290

60
 cct gcg gtg gat aac ttc cgg aag ttc gtg gcg gga tcg agg tat gca 1149
 Pro Ala Val Asp Asn Phe Arg Lys Phe Val Ala Gly Ser Arg Tyr Ala
 295 300 305

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 tta gaa gag ggc tgagctgtaa gtgtcgtggg tgccgtttta aggggttgag 1201
 Leu Glu Glu Gly
 310

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Glu Lys His Ala Gly Thr Pro Leu Phe Asp Arg Ala Gly Arg Lys Leu
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Val Ala Glu Phe Asn Ser Ala Ala Thr Glu Ile Lys Arg Leu Met Asp
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Trp Met Val Pro Glu Leu Ile Arg Thr Phe Arg Ala Glu His Pro Asn
 115 120 125

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45 Ala Leu Ala Val Pro Ala Asp His Arg Leu Ala Ser Phe Ser Gly Gln
 180 185 190

Gly Glu Leu Pro Leu Ile Thr Ala Ala Glu Glu Pro Phe Val Ala Met
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50

Arg Ala Gly Phe Gly Thr Arg Leu Leu Met Asp Ala Leu Ala Glu Glu
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55 Ala Gly Phe Val Pro Asn Val Val Phe Glu Ser Met Glu Leu Thr Thr
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Val Ala Gly Leu Val Ser Ala Gly Leu Gly Val Gly Val Val Pro Met
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050626909-072404

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The following figures are attached:

Figure 1: Map of the plasmid pCR2.1lysR2int.

The abbreviations and designations used have the following meaning.

KmR: Kanamycin resistance gene

EcoRI: Cleavage site of the restriction enzyme EcoRI

lysR2int: Internal fragment of the lysR2 gene

ColE1 ori: Replication origin of the plasmid ColE1

SEQUENZPROTOKOLL

<110> Degussa AG

5 <120> Neue für das lysR2-Gen kodierende Nukleotidsequenzen

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15 <170> PatentIn Ver. 2.1

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 cctcgacctt gctatctatt gcttggctca tggagttcat catgcgcaa cagcaaatat 180
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atg ggc aac gac ggc gga gac ctg cga atc gac gac cta cgc agc ttc 285
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 Ile Ser Val Ala Gln Ser Gly His Leu Thr Glu Thr Ala Glu Arg Leu
 20 25 30

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 35 40 45 50

cac gca ggc acc cca ctt ttc gac cgc gcc ggc cgc aaa ctc gtc ctc 429
 His Ala Gly Thr Pro Leu Phe Asp Arg Ala Gly Arg Lys Leu Val Leu
 55 60 65

aac caa cga ggc cac gcc ttc ctc aac cac gcc agc gcc atc gtc gca 477
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 70 75 80

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	Phe Val Pro Asn Val Val Phe Glu Ser Met Glu Leu Thr Thr Val Ala	240
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	Ala Tyr Arg Glu Leu Gly Leu Val Trp Arg Leu Asn Ala Gly Pro Ala	280
60	275 cct gcg gtg gat aac ttc cgg aag ttc gtg gcg gga tcg agg tat gca	1149
	Pro Ala Val Asp Asn Phe Arg Lys Phe Val Ala Gly Ser Arg Tyr Ala	300
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 180 185 190

Gly Glu Leu Pro Leu Ile Thr Ala Ala Glu Glu Pro Phe Val Ala Met
 195 200 205

50 Arg Ala Gly Phe Gly Thr Arg Leu Leu Met Asp Ala Leu Ala Glu Glu
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55 Ala Gly Phe Val Pro Asn Val Val Phe Glu Ser Met Glu Leu Thr Thr
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Val Ala Gly Leu Val Ser Ala Gly Leu Gly Val Gly Val Val Pro Met
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Asp Asp Pro Tyr Leu Pro Thr Val Gly Ile Val Gln Arg Pro Leu Ser
 260 265 270

5 Pro Pro Ala Tyr Arg Glu Leu Gly Leu Val Trp Arg Leu Asn Ala Gly
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